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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,551	10/28/2003	John L. Loth	193	5471
48962	7590 08/18/2005		EXAM	INER
	GINIA UNIVERSITY IUT RIDGE ROAD	HESS, DOUGLAS A		
P.O. BOX 62		ART UNIT	PAPER NUMBER	
MORGANTOWN, WV 26506-6216			3651	
			DATE MAILED: 08/18/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Commons	10/695,551	LOTH, JOHN L.				
Office Action Summary	Examiner	Art Unit				
	Douglas A. Hess	3651				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period who is Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 25 Ma	ay 2005.					
2a)⊠ This action is FINAL . 2b)☐ This	a)⊠ This action is FINAL . 2b)□ This action is non-final.					
3) Since this application is in condition for allowan	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-18,20-26 and 28-37 is/are pending i	n the application.	•				
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5)⊠ Claim(s) <u>1-18</u> is/are allowed.	5) Claim(s) 1-18 is/are allowed.					
6) Claim(s) 20-26,28-30,32,33,36 and 37 is/are re	jected.					
7)⊠ Claim(s) <u>31,34 and 35</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner	г.					
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) \square objected to by the E	Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5)	atent Application (PTO-152) ation Sheet				

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Continuation of Attachment(s) 6). Other: Marked up Copy of Cook Patent Cover Sheet.

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DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because it contains more than the allowed 150 words.

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Correction is required. See MPEP § 608.01(b).

Claim Objections

2. Claim 14 is objected to because of the following informalities: It appears in line 6, "the" before "inertial" should be deleted. Appropriate correction is required.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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4. Claims 20-26 and 28-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 37 recites the limitation "the sleeve-type bearing housings" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 20-26, 28-30, 32, 33, 36, and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by Cook (US Pat. 5,234,100).

See the attached marked up copy of the Cook cover sheet depicting the claimed features. It should be noted that reference numeral 31 on the attached Cook cover sheet has now been labeled as a bearing sleeve (with regards to claim 37).

RE claim 33, the functional application does not carry patentable weight, since one could use the device of Cook in that environment.

Allowable Subject Matter

7. Claims 1-18 are allowed.

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8. Claims 31, 34 and 35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

- 9. Applicant's arguments filed May 25, 2005 have been fully considered but they are not persuasive. Regarding claim 37, the bearing housing or sleeve (reference numeral 31 on the cover sheet drawing of Cook) meets the current claim language "sleeve-type" as broadly claimed in line 3 of claim 37.
- 10. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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11. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Douglas A Hess whose telephone number is 571-272-6915. The

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examiner can normally be reached on M-Thurs 5:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gene Crawford can be reached on 571-. The fax phone number for the organization

where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ouglas A Hess

Primary Examiner

Art Unit 3651

8-17-

DAH August 17, 2005

United States Patent [19]

Cook

US005234100.

[11] Patent Number:

5,234,100

[45] Date of Patent:

Aug. 10, 1993

<u> </u>	UK	[45] Date of Patent: Aug. 10, 1993
[54]	CONVEYOR IDLERS AND ROLLERS AND BEARING HOUSING ASSEMBLIES FOR THEM	4,913,564 4/1990 Stephan et al
[75]	Inventor: Anthony V. Cook, Hallow, England	75080/74 5/1976 Australia .
[73]		3027869 3/1982 Fed. Rep. of Germany . 3139435 8/1982 Fed. Rep. of Germany . 3215888 11/1983 Fed. Rep. of Germany .
[21]	Appl. No.: 739,105	1135722 5/1957 France .
[22]	Filed: Jul. 31, 1991	2024264 8/1970 France . 1062112 3/1967 United Kingdom .
[30]	Foreign Application Priority Data	1288794 9/1972 United Kingdom .
	Oct. 4, 1990 [GB] United Kingdom 9021552	1399430 7/1975 United Kingdom . 2059011 4/1981 United Kingdom .
	Int. CL ⁵ B65G 39/10	2158525 11/1985 United Kingdom .
[52]	U.S. Cl 198/842; 384/518; 384/563	Primary Examiner—D. Glenn Dayoan Astorney, Agent, or Firm—Leydig, Voit & Mayer
[58]	Field of Search	[57] ABSTRACT
[56]	References Cited	A bearing housing assembly for a roller includes a hous- ing; bearings provided in the housing and having first
•	U.S. PATENT DOCUMENTS	and second bearing components provided in the hous-
	1,906,464 5/1933 Hapgood	and second bearing components provided in the housing with the components being relatively rotatable, a retaining cup holding the components in the housing, and a resilient biasing device held in the housing so as to transmit force to at least one of the components so as to urge the components relative to the housing. The biasing device is preferably a frusto-conical spring and the
	2,736,617 2/1956 Lippmann	retaining cup holding the components in the housing, and a resilient biasing device held in the housing so as to
	3,554,620 1/1971 Dalton	transmit force to at least one of the components so as to
4	4,364,615 12/1982 Euler :	urge the components relative to the housing. The bias-
	4,606,659 8/1986 Hogan	ing device is preferably a frusto-conical spring and the bearings are preferably taper roller bearings.
4	4.699,528 10/1987 Gotman	July 1
4	4,732,495 3/1988 Brandenstein et al	19 Claims, 4 Drawing Sheets
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